

Project Name/Location: Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel				Contract Number: W9127N-05-C-0012			
Date: 07/02/2005				Dylan (COE) present during sampling.			
Dredging Load Number Load 432 Tidal Stage Flood Dredge State: No Overflow Weather: Overcast Wind: 5-10 kts Seas: 1' - 2' Disposal location Columbia River DWS	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	19.3	7:05:10	7337470.09	938601.42	4.2	
	DR-2	19.1	7:10:55	7338375.65	937911.76	4.3	9.4
	DR-4	17.8	7:13:13	7337695.03	937880.03	4.0	
	DR-3	20.3	7:16:06	7338647.64	937941.51	8.0	
Remarks:				Action Taken:			
All points within compliance.							
Batteries in YSI controller died between DR-1 and DR-2.				Retrieved backup controller and continued testing procedures.			
Dredge was digging with current therefore, compliance samples were taken in front of dredge outside plume.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

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Dredging Load Number Load 433 Tidal Stage Flood Dredge State: No Overflow Weather: Overcast Wind: 5-10 kts Seas: 1' - 2' Disposal location Columbia River DWS	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	19.6	11:18:44	7339888.02	937927.44	2.5	
	DR-2	20.2	11:20:13	7340469.69	937994.17	30.0	9.0
	DR-2R1	19.7	11:20:19	7340486.56	937993.46	28.9	9.0
	DR-4	19.2	11:22:54	7340722.50	937977.44	10.3	
	DR-4R1	19.2	11:23:00	7340734.90	937970.83	10.7	
	DR-3	19.6	11:25:56	7339562.01	938312.30	6.8	
Remarks:				Action Taken:			
DR-2 out of compliance				Re-test DR-2R1 was taken			
DR-4 out of compliance				Re-test DR-4R1 was taken			
				Dredge moved away from area where the non-compliance occurred			
				while continuing dredging.			
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

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Dredging Load Number Load 434 Tidal Stage Ebb Dredge State: Overflow through skimmers only Weather: Overcast Wind: 5-10 kts Seas: 1' - 2' Disposal location Columbia River DWS	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	19.1	15:34:21	7336839.89	938086.62	2.5	
	DR-2	16.9	15:37:45	7336539.65	938579.95	20.6	9.1
	DR-2R1	16.6	15:37:50	7336543.87	938579.77	23.8	9.3
	DR-4	20.1	15:41:35	7336365.86	938666.40	18.5	
	DR-4R1	20.0	15:41:40	7336351.92	938636.57	13.5	
	DR-3	17.7	15:44:55	7337507.49	937687.27	2.7	

Remarks:	Action Taken:
DR-2 out of compliance	Retest DR-2R1 was taken
DR-4 out of compliance	Retest DR-4R1 was taken
DR-2 and DR-4 were taken in plume.	Dredge moved away from area where the non-compliance
	while continuing dredging.

Sample Point Key	All Tests Conducted With YSI 6600	Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel	OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current		
DR-3	300' Radially from point of dredge (Port or Starboard)		
DR-4	900' Down Current from point of dredging		
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular po		

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Dredging Load Number Load 435 Tidal Stage Flood Dredge State: Overflow through skimmers only Weather: Clear Wind: 10-15 kts Seas: 2'-3' Disposal location Columbia River DWS	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
	DR-1	19.9	19:43:11	7339794.51	938515.42	3.3	
	DR-2	16.5	19:46:23	7340242.71	938222.75	12.4	
	DR-2R1	17.8	19:46:31	7340246.68	938216.50	12.7	
	DR-4	7.0	20:06:49	7338965.30	938489.57	9.7	9.2
	DR-4R1	10.5	20:06:56	7338986.13	938482.61	7.1	8.8
	DR-3	18.3	20:10:00	7337656.70	939317.50	12.1	
	DR-3R1	18.5	20:10:04	7337656.45	939311.43	9.5	
Remarks:				Action Taken:			
DR-2, DR-3 and DR-4 out of compliance.				Re-test DR-2R1, DR-3R1 and DR-4R1 was taken.			
DR-3 out of compliance.				Dredge moved away from area where the non-compliance occurred			
No plumes were visible.				while continuing dredging.			
Turbidity was delayed between DR-2 and DR-4							
due to ship traffic.							
Sample Point Key	All Tests Conducted With YSI 6600					Turbidity Compliance	DO Compliance
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
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